

ABSTRACT OF THE DISCLOSURE

A pixel device of an electroluminescence device that comprises a voltage signal having a first state and a second state, a current signal, a first circuit further comprising a first transistor, a second transistor and a capacitor, the capacitor including a first terminal coupled to a power supply, the first transistor including a gate electrode coupled to a second terminal of the capacitor, and the second transistor including a gate electrode receiving the voltage signal, wherein the first circuit provides a voltage level across the capacitor in response to the first state of the voltage signal, and maintains the voltage level in response to the second state of the voltage signal, and a second circuit further comprising a third transistor and a fourth transistor, the third transistor including a gate electrode coupled to a gate electrode of the fourth transistor, wherein the second circuit provides a current proportional to the magnitude of the current signal in response to the first state of the voltage signal, and the first circuit provides a sum current of the proportional current and the current signal.

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